APPLEHOLICS ANONYMOUS

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A LA CARTE:
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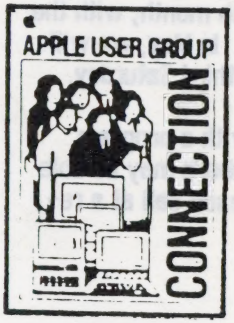
APPLELINK OBSERVATIONS

ONE DISK DRIVE & RAM5



NEXT MEETING

SATURDAY * APRIL 8, 1989
OUR LADY OF ASSUMPTION SCHOOL
(behind the church)
3169 Telegraph Rd., Ventura

AGENDA

9:30 AM *** CHAT MODE

10:00 AM *** GENERAL MEETING

PROGRAM:
A LIVE DEMONSTRATION
OF THE USE OF A MODEM
VIA "MYSTIC CAFE"

RAFFLE:
GS PLUS (for the GS)
CHOICE OF PAC MAN
OR CENTIPEDE

OFFICERS:

President
Ruthanne Phillips.....484-4988
1st Vice Pres..Apple Ambassador
Will Janoff.....484-9934
2nd Vice Pres..Presentations
Will Spyrison.....654-1286
Treasurer
Nancy Kobashigawa.....486-6154
Secretary
Lorene Kobashigawa.....486-6154
Property Manager
Jean Garces.....987-5822

COMMITTEES

Membership & Hospitality
Tony Pizza.....482-3453
Newsletter Editor
Dorothy Konecko.....484-2611
Assoc.Editor & Beagle Buddy
Will Janoff.....484-9934
Software Library
Gil Chuck.....388-2919
Bulletin Board.....647-9920
Mystic Cafe...Subboard #12
Programs Evaluator
Bob Morris.....985-2901
Publicity...Nancy LaBelle.....525-6746
Manuals/Tapes.EdnaFinley.642-8467

THINGS TO DO AT THE MEETING:

SIGN IN WITH TONY AT FRONT TABLE

VISIT THE LIBRARIES:
DOMS-DOM CATALOG-- GIL CHUCK
GOLDEN OLDIES-- EDNA FINLEY
TECH. MANUALS-- EDNA FINLEY
APPLE CONNECTION VIDEO TAPES--E. FINLEY
(Note: Disk Library-Deposit forfeited after 60 days)
(Book Library-$1 fine per 30 days overdue)

SCAN THE MAGAZINE &NEWSLETTER TABLE

SEE THE SUPPLIES AVAILABLE

CHAT WITH NEW AND OLD MEMBERS

DROP YOUR QUESTIONS IN THE QUESTION BOX

A WARM WELCOME TO THESE MEMBERS:

Paul Stone and Dave Planette

REMINDER: If your mailing label has a red mark on it, your membership is going to expire. If you cannnot make the meeting, please mail your check. If moving, please inform us of your change of address. THANKS TO ALL WHO HAVE RENEWED BY MAIL-ignore the red mark on your label.

ASSOCIATE MEMBERS:

CHARLIE APPLE SOFTWARE, PRINTERS
2377 E. Main St., Ventura
COMPUTERLAND OF CAMARILLO
302 No. Lantana, Camarillo
CANDID COMPUTERS
4390 Cochran, Simi Valley

These Suppliers Support Your Club

The regular Club Meeting Day is the second Saturday of each month, with the exception of May 1989. In May, we will meet on May 20th, the third Saturday.

If you have problems with a program, one of your board members may be able to help. Remember-please call at a respectable hour!

EX PRESIDENT'S MESSAGE

It was a hard fought presidential election, but I was forced to concede defeat to Ruthanne Phillips. I threw in the towel right after Bob Houle said "I nominate Ruthanne". I then nominated myself for my old job of membership chairman, and, after a unanimous vote from the membership, we have a new president. As an ex-president, I hope to reverse a trend, where it seems that after a president steps down, he disappears. As ex-president, I expect to have more time to spend with a beginners SIG, programming, and writing more technical subjects for the newsletter.

New Bulletin Board

Although it was reported last month that the club's BBS has shut down, we have the use of a sub-board on Paul Stone's Mystic Cafe. The number is 647-9920. The Appleholics sub-board is B12. The club's library in the transfer section is L13. Our thanks to Paul for his help.

DISKS OF THE MONTH

(89.04.1) A collection of utility programs for the IIGS on 3.5" disks contains:

SHR.FILES: Super Hi-Res Pictures Converter with Icon for Finder
BEEP.FILES: Replace the GS "boink" error sound with another
PIC.FILES: Puts pictures on screen while GS is booting
SOUND.FILES: Plays digitized sounds while GS is booting
TIC2.03: Talk Is Cheap ver 2.03 modem program and utilities
TEXTDSPY: A text file reader launched from the desktop

(89.04.2) Talk Is Cheap (TIC), terminal program for all the Apple II's.

It is a ProDOS based terminal program and requires a min. 128k with an Apple Super Serial card or equivalent in slot 2 and an optional printer attached to slot 1. TIC also supports the new Apple IIgs with either an Apple Super Serial card plugged into slot 2 or using the built-in IIgs serial port. This program supports a standard TTY terminal mode along with several terminal emulations and file transfer protocols.

This early version is a Shareware program. This means that you may distribute this program freely with the stipulation that users of the program are advised of the shareware nature of this product. You are asked that if you use this program that you send the author the shareware fee of $30 to support the writing of programs like this. The latest version is not shareware and may be purchased from the author, for $40.

(89.04.3) GAMES GALORE on a 3.5" disk:

This is a collection of games previously offered on 5 1/4 disks. Includes games from DOMs 88.07.4 and 88.10.2. These are arcade types, pinball and adventure games. Particularly useful for IIC+ and IIGS with only one 3.5" drive.

APPLELINK OBSERVATIONS

by Tony Pizza

Applelink is an information service similiar to Compuserve or Genie, except it is specificaily for Appies and Macs. Special terminal programs with a unique interactive graphic interface are provided. It is so Apple specific that it doesn't support many common systems, such as mine. Mine is a IIe, enhanced, Grappler + / Star 10x parallel printer, Super serial card / Hayes compatible 2400 baud modem, 512K Checkmate type aux slot expansion card. Here are the problems I had:

1) Would not boot up with the 512K card installed, until someone on Compuserve with the same problem figured out a patch.*

2) Does not recognize my printer. Customer support said that it only supports Imagewriters; the Applelink manual said nothing about this.

3) Initially I logged on with a 300 baud Micromodem //e. Then I changed to serial card and external 2400 baud modem. I couldn't connect, although I could with many BBSs, Compuserve, and Genie. I had to rewire the cable from serial card to modem to get it to work.**

I spent most of my free connect time trying to figure out problem #3, to no avail. I wrote a letter describing all the problems to Steve Case, a VP with Quantum, on Jan 1. I hadn't received an answer as of mid-March.

I found another irritation with the ACU program, a special Apple compression utility. It consists of multiple files which must be downloaded, which differ for GS and //c,e models. This could have been provided on the disks. Or, Apple could have used the popular BLU program that has been the standard of Apple II compression/packing for almost two years, instead of "re-inventing the wheel".

* The patch consisted of replacing a STA $C07E instruction at $25F6,7,8 with NOPs (EA) in the ALINK.SYSTEM file. (The author wished to remain anonymous.)

** I used a cable configuration described by Jim Ferr for use with his freeware BBS, WARP6.

SSC (25 pin cable end)		Modem end
1 GND	1	GND Frame Ground (optional)
2 TXD	2	TXD Transmit data (SSC to modem)
3 RXD	3	RXD Receive data (modem to SSC)
6 DSR	8	DCD Data carrier detect (from remote)
7 SGND	7	SGND Signal ground
20 DTR	20	DTR data terminal ready (SSC to modem)

T16

The above cable can be made with common DB25 male connectors to connect to the 25 pin female connectors. A cable can also be made to go from the 10 pin connector on the SSC itself to a DB25 male connector, if you can get the 10 pin ribbon cable connector.

10 Pin on SSC		DB25 male, to modem
1 GND	1	GND
2 TXD	2	TXD
3 RXD	3	RXD
6 DSR	8	DCD

INTRODUCING
OUR NEW PRESIDENT: RUTHANNE PHILLIPS

First, without taking up too much space, let me tell you a little about myself. Most of you already know I teach special education at Camarillo State Hospital and Developmental Center. My students are developmentally disabled adolescents and young adults, many of whom reside at the facility because it has been determined they are a danger either to themselves or to others. Some of my students are serving time under a penal code commitment.

I enjoy my job, and have been teaching there for the past 7 years. I use computers extensively in my teaching for drill and practice, improving problem solving and thinking skills, encouraging writing skills development, as well as playing games. I also use my computer to assist in completing my own paperwork, which, when you work for the State, is insurmountable. I have 3 Apple IIe systems in my classroom, and a IIgs at home.

I have taken numerous computer classes at California Lutheran University, and am certified in the use of "computers in education". I do some programming in BASIC, and assisted in the development of "Hands on Math" published by Ventura Educational Systems. I enjoy using computers and am always willing to learn more about how they operate and their capabilities and uses.

Next, I'd like to thank our out-going officers for the fine job they've done, and welcome our new officers. Jean Harding did a great job as treasurer, keeping our books balanced and not letting us spend more than we were able. Consequently, we will now be able to purchase a IIgs system for the club.

Nancy Kobashigawa kept superb minutes and I'm sure will devote the same attention to detail as she handles our financial records. If her daughter, Lorene, is anything like Nancy, we have another excellent secretary.

Tony Pizza left some pretty big footsteps for me to follow. He did a wonderful job presiding over the club meetings the past two years, and I know he's anxious to get back to sitting at the membership table. He also graciously volunteered to be my "technical advisor" to help answer those tough questions you pose at the meetings, so we're not letting his knowledge and experience slip away.

Will Janoff, and Willie Spyrison will remain in their offices as 1st and 2nd vice-presidents, respectively. I'm looking forward to their assistance. Jean Garces will continue to be property manager, Gil Chuck will manage our software library, and Edna Finley will oversee the technical manual library and video tapes. Bob Morris will persevere in the evaluation of programs as they become available, Nancy LaBelle will continue advertising our meetings in the never-ending quest to increase membership, and Dorothy Konecko will remain our newsletter editor.

I hope the club will continue to run smoothly and you give me as much support as you gave Tony. I'll try my best to fill his shoes, but my feet are quite a bit smaller!

I'd like to ask those of you who regularly stopped by the membership table to talk with me to please make the extra effort to walk to the front of the room to chat now. I truly enjoyed discussing things with all of you and almost didn't want to give up my position as membership chairperson. I'd also like to meet the rest of you and find out how you use your Apple. Remember, that's the purpose of the "Chat Mode", and I will be available.

Finally, contrary to popular opinion, I do not aspire to the state governorship nor to the federal presidency, but I will do my best as president of Appleholics Anonymous. Remember, this is <u>your</u> club. If you have any requests or suggestions, please feel free to contact me.

Best "floppy" Brand?

Battery Problems with the IIGS

Q & A

WILL JANOFF

CORRECTION: Last month's column contained a hint on how to easily switch from tractor feed to single sheet feeding on the ImageWriter. It works on the ImageWriter II only. The Imagewriter I roller and tractor feed cannot be turned separately.
(Thanks to an observant reader.)

Q: My lithium battery that was supposed to last 5 years has finally conked out. I understand that I'm not the only one. I have plenty of company. Do you know where I can get replacements without having a major repair and accompanying major repair costs at the Apple Dealers.?

A: If enough pressure is put on Apple Corporation, they might concede and eventually come out with a replaceable battery inside a holder. In the interim if you are handy with a soldering iron and are a "do it yourselfer" there are suitable cheap substitutes. The Tadiran TL-5101 is available from Newark Electronics for $5.10, stock number 87F6410. (Newark has a minimum order cost of $25.00, so you'll need to buy several batteries, one for yourself, and four more four your computer user club mates.)

Q: What commands do I use to get in and out of the monitor?

A: Get into basic and type call-151 which will get you into the monitor. You will know you are there when you see the "*" asterisk instead of the basic prompt "]". You exit the monitor by pressing return after entering Control-B or Control-C.

Q: I have heard that it is possible to do hexadecimal to decimal conversions and visa versa with the IIGS. How is it done?

A: Get into the monitor with Call-151. Type a hexadecimal number followed by an equal sign then pressing return will give you the decimal equivalent (ie;AB=(return)). Conversely, typing an equal sign followed by a number then pressing return will give you the Hexadecimal equivalent
(ie;=187(return))

Q: Making certain changes in the control panel of the IIGS such as different values for the RAM disk require turning the computer on and off before it can become effective. I am concerned about the additional wear and tear on the computer caused by turning it off and back on again. Is there another way to do it?

A: After you make your change in the control panel, press Open-Apple, Control, Reset, and Option keys. This will put the computer into its self-test routine. Don't be alarmed to see flashing color screens...nothing is broken. Interrupt the display at any time by pressing Open-Apple, Control, Reset. That will boot up whatever application is in your disk drive.

Q: I formatted my 5-1/4 disk while in AppleWorks in order to save some critical data. However, later I wanted to make a bootable disk out of it by adding ProDOS and the Basic System but all I could get is the error message "This is a data Disk". What went wrong?

A: The purpose of being able to format a disk while in AppleWorks is simply an emergency measure to save data when you didn't have a formatted disk pre-prepared. You can not use it as a bootable disk as you discovered on your own. Use COPY II Plus or the various system disks to format bootable disks.

Q: I have a IIGS and I have two 3.5" disk drives and two 5.25" drives. It seems they are continually being polled (the disk drive light comes on and the drive is accessed). Is there anyway that I can avoid that incessant annoying polling?

A: No. The polling of the drives under GS/OS is perfectly normal. The IIGS does not have hardware or firmware built to detect whether a disk has been inserted, and therefore polls the drives. There is no way to disable the drive polling.

Q: I understand that Apple has an Educator Buy Program that permits teachers to purchase Apple products at a discount. I inquired of the teacher who is in charge of our Apple computer lab and she has never heard of it. Where can I get the information?

A: First call Apple's customer service and request an application for the Educator Buy Program. (The number is 408 252-2775). Then call Apple's referral service (800 538-9696) who will give you the names of the Apple Dealers in your area who are participating in the program. Not all Apple Dealers want to bother. You will discover after phoning elegible dealers that you are obliged to purchase an entire package. For example for a IIGS you have to buy the CPU, Monitor (your choice of RGB or Monochrome), 3.5" drive, and a 5.25" drive. The Image-Writer II is not included. although it can be purchased perhaps for a little less than the Dealer would ordinarily sell if it were on sale. If you are interested in the IIC+ the package includes the CPU, stand, and either a color or monochrome monitor. The IIC+ comes with a built in 3.5" drive. You will also discover that there are times when dealers are offering sales, particular when the Apple Rebate Programs are in effect, that the selling prices are almost equal to what the Educator Buy program is offering.

Q: Using the program selector "Squirt" I often have difficulty selecting the correct system file, one which will load a particular program. For example, AppleWorks has a number of system files to choose from, but only one can be selected. I tried locking the system file thinking that the asterisk would help me, but the asterisk doesn't show up. Do you have any other suggestions?

A: Manipulate the files so that the one to select is on the top. Do this by renaming the file in question and placing an "A" or if necessary an "AA" in front of it. For example, I start my Appleworks program with Ultra.System. Rename the file with a program like Copy II PLUS by placing an AA in front of it. That will precede Aplworks.Sys when you alphabetize. When the location of the file is where you want it, rename the file again back to the original Ultra.System.

Q: There are so many different brands of "floppies" on the market, both 3.5" and 5.25", with a great variation in price so that it is difficult to make a choice. Is price the criteria, the higher the price the better tHe quality, or is that just a lot of "hype"?

A: Our own Steve Boswell wrote on this subject some time ago. It is well worth repeating: THE NAME BRAND MYTH Occasionally a batch of diskettes of a particular brand from some well-known Manufacturer will be flawed and produce much user grief. However, there is a lot of incentive for manufacturers who want to stay in business to prevent this from happening and most are successful. Once the diskettes pass the surface criterion tests (if they are properly shipped and handled) they are essentially good, regardless of name brands or claims to the contrary. Almost all diskette failure is due to handling problems. Failure rate of factory-shipped diskettes is about 12 per

...Continued on page 8

QUESTIONS & ANSWERS CONTINUED

1000 on the average, with little variation between brands and no variation with price. The myth here is that paying more for a name brand buys tangible benefit. In fact, many generic brand diskettes are available, often made by the same brand-name manufacturers but without the name brand label, for much less cost than the identical diskette with the label glued on to it. Is the label really worth the extra cost to you? There is also a question of whether a manufacturer will stand behind its guarantee. Apple Avocation Alliance recently reported that Verbatim refused to honor its diskette guarantee and criticized the Apple organization for selling Verbatims "too cheaply"

Q: Do you recommend that the gate of the disk drive door be open or closed when not in use?

A: Even though the spring on the door is more relaxed in an open position, it is still questionable whether or not that is the best position because if the door is open it allows dust to enter, so it's a toss-up. However, constant opening and closing is also a wearing-out problem. Perhaps the best advice is to ignore it and just let it be where it is.

Q: I own a Laser Computer, and I would like to access the Apple Link bulletin board before I buy the program. Can you tell me if I will be able to get on?

A: From what I have heard the answer is "no". It seems the Laser ROMs are slightly different to avoid copyright infringement. This difference is probably what makes the difference.

Q: I have noted and used some of your suggestions regarding defective first line printing with the ImageWriter II. I'm still having the same problem. This is very annoying particularly when printing with superfonts which takes forever and then discovering the first line is less than perfect.

A: Have you tried having an extra sheet of paper already fed through the printer (using the tractor feed of course). Sometimes the top of a sheet of paper will jam a little before going under the paper bail and could cause the problems you are referring too.

CLASSIFIED ADS

Business Card: The intelligent multifunction interface card for the enhanced Apple IIe. The system includes 2 serial ports (Printer,Modem); clock/calendar w/battery back-up; over 60 built-in commands; pull down menus; graphics screenprinting commands; text formatting commands; disk, cables, full documentation. Call Chuck Baca at 650-9413...asking price $100 (o.b.o.).

* * * * *

Software, new, in original package: (no tax)

Beagle Bros TimeOut Powerpack $30 reg $59

Beagle Bros Thesaurus $30 reg $59

Will Janoff.....484 9934

* * * * *

Localtalk Option for ImageWriter/LQ. $91.00

New, has never been used. In original box. This card is used to network two or more computers to one ImageWriter printer.

Phone: Norb 805 647-2538 after 5 P.M.

COMPUTER TRUISM--

Gary Senesac, Applebyter Aug. '88

A printer works fine until you leave the room.

The time it takes to accomplish something with a computer is inversely proportional to the time that you have available.

You always need one more blank disk than you have.

The strongest part of a sheet of computer paper is the perforation.

RANDOM BITS
by Will Janoff

MULTI-TASKING

Something new has been added to personal computing. It's "multi-tasking", which means the ability to have two or more programs running simultaneously. What happens is that two or more programs can share the computer's microprocessor simultaneously. It's done by "time slicing" the chip's processing power so that each program gets its instruction code executed for a fraction of a second and then it is the next program's turn. To the user, it appears that the programs are running together smoothly. It resembles the way moviegoers see continuous action on the theater screen instead of the many separate still frames that actually make up the film movie.

So what's the advantage you may ask? One advantage of multi-tasking is the ability to work with several programs simultaneously in separate "windows" on the computer monitor and to transfer material between them. For instance, in creating a report with a word processor and a spreadsheet running, it is easy to move a copy of a table of numbers from the spreadsheet into the word processing report. Of course something similar occurs in Roger Wagner's "Soft switch" program. However, in that instance the current program is moved out of memory and another put in its place.
That is known as "program switching".

APPLEWORKS GS BUG

Do you remember the bug in AppleWorks Classic prior to version 2.1 wherein if you attempted to save a database file when there was insufficient room on the disk for both the original and the changed files, you lost them both. Well, Appleworks GS has the same problem only more so. AppleWorks GS files are exceptionally large and this condition can easily happen without your knowledge or warning. Appleworks GS does not at any time display the actual size of any file in use either when loading the file from disk or saving it to disk.

A BETTER MOUSE

Do you often find yourself digging under a pile of paper on your desk looking for your elusive mouse? Or having to clear off the desk to find enough space to use it? There is a solution. The Turbo Mouse ADB from Kensington Microware Ltd. The Turbo Mouse is better known as a trackball, and appears to be an upside-down mouse. Unlike the standard mouse, the Turbo Mouse stays in one place, and the ball is on the top where it can be operated using your fingers. The ball is also much larger than the typical mouse ball, about 2-1/4 inches in diameter. Instead of a single button, the Turbo Mouse has two. One button has the same function as the standard mouse, the other has a "click-lock" feature.

The Turbo Mouse is a good replacement for the standard mouse, or as described above if you have limited desk space. The list price is $169.95 but look for it in mail-order houses at a substantial discount. (S.C.A.N., March '89)

ANOTHER 3.5" DRIVE

I mentioned in this column last month the 3.5" drive M300 manufactured in Monterey, CA. I haven't heard any more about it; however, Applied Engineering has entered the competition with the announcement of a new 3.5" drive that is currently undergoing FCC certification and that will be released soon. The drive is fully compatible with Apple's 3.5" drive that works with the IIGS, Macintosh series, and computers equipped with AE's PC Transporter. Final retail price is yet to be established, but insiders claim AE's strategy is to put a high quality drive on the market at a "stunningly" low price (The "stunning" is AE's description...it has to at least be better than Apple's $425 price tag.)

...Continued page 10

A ME TOO 5-1/4 DRIVE FROM AE

Applied Engineering is shipping a newly designed 5.25" Apple II drive. The new drive includes a DB-19 connector for direct connection to the external drive port on the Apple IIc, IIc Plus, or IIGS. A 20 pin adapter cable is also included for direct connection to the drive port on the IIe OR II+ Disk II-style controller. The new drive with adapter sells for $149 and is covered by a 1 year warranty...Apple's drive is closer to $300 with a 90 day warranty.

TIP ON BOOTING DRIVES

If your computer has both a 5.25" and a 3.5" drive, only one of them will boot when you turn on your computer. The one that comes online will be the drive that has its card in the highest numbered slot in the computer. Generally the 5.25" drive is in slot 6 and the 3.5" drive is in slot 4. Normally, if you wished to use the 3.5 drive, you turned on the computer with the drive door for the 5.25" disk drive open. When the screen came up you hit control-reset and then typed PR#4. This put the 3.5" drive online but it takes an annoying amount of time. To avoid this delay format a 5.25" disk using Dos 3.3 and place it in the 5.25" disk drive. Type the following:

```
10 PRINT CHR$(4);"PR#4"
20 PRINT CHR$(13)
SAVE HELLO
```

With the disk in drive 1 and the drive door closed, turn off the computer. When you turn on the computer again, the 3.5" drive will be online before the screen comes up! This startup disk is always in the drive with the gate closed, except when you wish to boot a 5.25" disk.

(Revised from Stanley S. Kress, NEOAC Apple Bits.)

APPLE WINS 1ST ROUND IN SUIT

A judge gave Apple Computer Inc. an important preliminary victory in its legal battle with Microsoft and Hewlett-Packard. The suit is about the use by the latter companies of the pull down windows that the Macintosh innovated. The defendants in the suit claim that Apple's program is not original but was derived from other companies works. They also argue that the graphics that Apple is trying to protect (ed. note: the trash can for example) cannot be copyrighted because they are only ideas which are not subject to copyright laws. The law suit still has a long way to go. The impact of a victory would mean that it would slow the development of pull down Macintosh type windows for IBM. Microsoft is a major program developer for IBM.

MEMORY CHIP TO REPLACE HARD DRIVES?

A recent news item states that Toshiba has developed a thumb-nail size memory chip that may replace floppy and hard disks within three years and drastically reduce the size of computer systems. Toshiba executives stated that the device is the world's first 4-megabite electrically eraseable programable read-only memory chip. The highest level of integration ever attained for this kind of memory device.

BOOT IT AGAIN SAM

Did you ever have a disk that would boot the last time or would bring up that file but has suddenly got a little independent and now it will not go. Remove it from the drive, hold the envelope loosely and with two fingers inside the center rotate about 1/2 a rotation and then reinstall...!!!And hope!!!

(Russ Wells, S.W.A.C.K.S.)

MOUSE CARPETING

Do you have a mouse and the computer desk top is a little too slippery for him to get good traction? An economical mouse pad is a one foot square piece of indoor-outdoor carpeting. This is much larger and much cheaper than a regular "store bought" mouse pad and works just as well.

(Russ Well, S.W.A.C.K.S.)

ONE DISK DRIVE AND "RAM5"

by Robert Lightfoot, QUACKS

Do---you only have one disk drive with that big IIgs. TSK,--TSK,--TSK! Could it be that Santa didn't come by your place last year?

I sure hope he makes it by this year!

This article is being written by someone (yours truly) who has NEVER used a "RAM DISK" before. However, since I only have ONE DISK DRIVE I knew that I would have to "learn how" so I could use the built-in RAM DISK as a second drive. This way I could run certain programs, such as Publish-It! with the 4 in 1 Portfolio (graphics disks) without a lot of disk swapping. Sooooo-- for you "OLD-PRO'S" you can skip this portion if you like, but I have a feeling that there is someone out there who has never used the "RAM DISK" and THIS ARTICLE IS FOR YOU.

I have a feeling that there is someone out there who has never used the "Ram Disk" and this article is for you!

Read on if you have the Apple IIGS System Disk Version 4.0 & mouse. Let me tell you my experience of how I did it.

1. I first booted the system disk version 4.0.
2. Next, I went into the control panel and set the "RAM DISK" to 800k min and 800k max. Quit the control panel, but I did not SEE the ram5 Icon on the screen, so, I re-booted the system disk and there it was.
3. Then I replaced the system disk with "Publish-It!" and it's "Icon" appeared on the screen.
4. Selecting the Publish-It! Icon, I "DRAGGED" it to the ram5 icon and released it. A new screen appeared asking if I wanted to erase everything on the destination disk and replace it with what's on the source disk, so I clicked "OK".

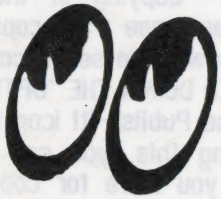
When the copying was finished, I "DOUBLE CLICKED RAM5" AND DOUBLED CLICKED DTP SYSTEM" and guess what? UP POPPED "PUBLISH-IT!" I now have two disk drives and I won't have to do all that switching of disks all the time. IT REALLY WORKS!!

ADDED NOTE!---Copying in the above method you can see it copying in "BLOCK'S---If you wish to see it copying all FILES instead, HOLD DOWN THE "OPTION" KEY while you drag the Publish-It! icon to ram5. While you're doing this, you can see the different options you have for copying. It works either way.

My (original) program disk was named /PUBLISH.IT. and I had its graphics and fonts in a subdirectory named /ALL.ART. In order to use these graphics from the RAM5 based program, I had to SET THE DATA DISK (under the File Menu) to /RAM5/ALL.ART. Otherwise, Publish-It! would be looking for a different disk anytime it wanted a graphic or font. When I wanted to get the graphics (or any data or font, etc) from another disk, I just placed it in drive one (the only one I had before "RAM5). I then highlighted "SET THE DATA DISK" (under the File Menu), and clicked on slot 5 drive 1.-- Of course, if that disk had the data, graphics, or fonts inside of a subdirectory, you would have to type in its path name instead.

You are now the proud owner of a TWO DRIVE COMPUTER, however---take heed, unless you have a battery back-up, the information in "ram5 will be lost when you turn off the computer.

If this has helped someone, then I am glad. If you have found how to do something you didn't know how to before, "WRITE ABOUT IT & LET US KNOW". I am always interested in what someone found new to do with this monster.---Just type it out in "APPLEWORKS", copy it on a floppy disk and give it or mail it to the editor. HE WILL GIVE YOU A DISK FOR YOURS OR GIVE YOURS BACK TO YOU. I find that writing about it is a very good way to learn.



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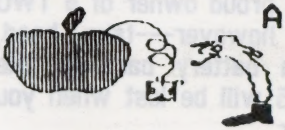

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